

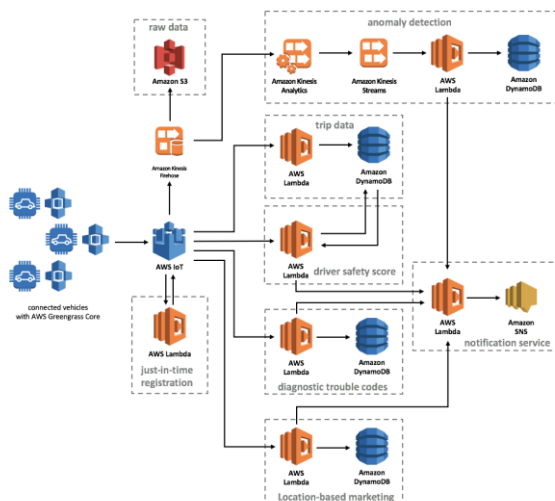
IoT FOR CLOUD DEVELOPERS



Commercial IoT solutions require applications for system administrators, field engineers and end users. These applications all need a backend system that can be built on inhouse IT infrastructure or a cloud service. Cloud computing offer three level of abstraction to build these applications. A number of virtual machines can be rented using cloud infrastructure and the specific application logic can be build and deployed on them. Therefore it is also relatively easy to replicate an environment for development, staging and production. However the next level of abstraction offers



licensed application software bundled with underlying managed hardware and necessary platform dependencies. Often the software is accessible as a metered application programming interface or API. In the interconnected world of IoT solutions APIs from different providers are also brought together in a single application to create elaborate workflow.



For example an IoT application may use a third party Identity management service to manage the identities of its users and devices. It may use a third party location service to display the location of its assets. Similarly it may use a third party device management service or a blockchain service or a visualization service for performing software updates, storing important transaction records and creating dashboards respectively. Thus the cloud offers solution developers and IoT start-ups the ability to rapidly deploy their solution and scale on demand, without the capital associated with building an IT infrastructure.

Capsule Labs is founded by IoT industry veterans and offers foundational IoT projects to develop a better understanding of IoT solution. With our kits you can create complex cloud workflows to appreciate their complexity.